BRUHATH BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

Comparitive Statement

Name of Work:	PACKAGE-9, (Includes 2 Works of Rs 200.00 lakhs) 1) IMPROVEMENTS TO ROADS AND DRAINS AT SINGAPURA, SINGAPURA GARDEN, VALMIKI NAGARA, ASHERAYA LAYOUT, KUVEMPUNAGARA & NAIDU LAYOUT IN WARD NO. 11 KUVEMPUNAGARA. 2) IMPROVEMENTS TO ROADS AND DRAINS AT TEACHERS LAYOUT, RAGHAVENDRA COLONY, BALAJI LAYOUT, SHRINIDHI LAYOUT, VAISNAVI LAYOUT, SAI GARDEN, M S PALYA, BHARATH NAGARA, CHINNASWAMY LAYOUT, MARUTHI LAYOUT, VINAYAKA NAGAR, SINGAPURA PARADISE, IN WARD NO. 11 KUVEMPUNAGARA
Estimate Amount:-	Rs 200.00 LAKHS
Amount put to Tender	Rs 17263392.25
Name of Contractor:-	Sri. Vasanthkumar K.N. No. 57K, 13th Cross 1st Block, Rajajinagara, Bangalore - 560 010.
Approved amount:-	19420457.19
Tender premium:-	12.49% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	11	12	13	14	15	16	10	17	18	19	20
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	2210.59	187.00	413380.33	599.53	187.00	112112.00	0.00	187.00	0.00	599.53	112112.00	0.00	301268.33	
2	Removing B.S.slab of Drain and stacking as per the directions of the Engineer-in-charge of the work .	Sqm	769.86	74.00	56969.64	0.00	74.00	0.00	0.00	74.00	0.00	0.00	0.00	0.00	56969.64	
3	Removing and refixing stone slabs of drains and pointing in CM (1:3) as per the directions of the Engineer-in-charge of the work .	Sqm	130.48	90.00	11743.20	130.41	90.00	11737.00	0.00	90.00	0.00	130.41	11737.00	0.00	6.20	
4	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .	Sqm	21.75	748.00	16269.00	21.74	748.00	16258.00	0.00	748.00	0.00	21.74	16258.00	0.00	11.00	
5	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete and unloading and as per the directions of the Engineer-in-charge of the work .	Sqm	746.94	929.00	693907.26	0.00	929.00	0.00	0.00	929.00	0.00	0.00	0.00	0.00	693907.26	
6	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	8.49	97.00	823.53	0.00	97.00	0.00	0.00	97.00	0.00	0.00	0.00	0.00	823.53	
7	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. and unloading and as per the directions of the Engineer-in-charge of the work .	Cum	354.81	54.00	19159.74	226.16	54.00	12213.00	0.00	54.00	0.00	226.16	12213.00	0.00	6946.74	
8	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading and as per the directions of the Engineer-in-charge of the work .	Cum	2791.29	127.00	354493.83	825.69	127.00	104863.00	0.00	127.00	0.00	825.69	104863.00	0.00	249630.83	
9	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification and as per the directions of the Engineer-in-charge of the work .	Cum	591.35	360.00	212886.00	545.73	360.00	196462.00	0.00	360.00	0.00	545.73	196462.00	0.00	16424.00	
10	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	2365.38	6.00	14192.28	2956.73	6.00	17741.00	2481.39	7.15	17753.00	5438.11	35494.00	21301.72	0.00	

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			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	11	12	13	14	15	16	10	17	18	19	20
11	Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	599.83	1989.00	1193061.87	749.79	1989.00	1491328.00	726.66	2251.24	1635886.00	1476.45	3127214.00	1934152.13	0.00	
12	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	154.44	68.00	10501.92	193.05	68.00	13128.00	5245.06	107.32	562877.00	5438.11	576005.00	565503.08	0.00	
13	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	2556.71	15.50	39629.01	630.22	15.50	9769.00	0.00	15.50	0.00	630.22	9769.00	0.00	29860.01	
14	Providing and applying tack coat using 80/100 grade bitumen (VG 10) on granular base such as WBM surface hot bitumen primed at 4kg per 10 sqm heating bitumen in boiler with spray set (Excluding cleaning of Road surface) inlcuding cost of all materials, labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	2556.71	21.00	53690.91	3195.89	21.00	67114.00	545.67	23.85	13014.00	3741.56	80128.00	26437.09	0.00	
15	Providing and laying bituminous macadam on prepared surface with crushed coarse as per design mix formula for base / binding courseincluding loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed material in tipper to paver and laying mixed materials, with paver finisher to the required level and grade,rolling by power roller to achieve the desired density,but excluding cost of primer/tack coat including lead,lift and cost of all materials,labour,HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	134.23	6450.00	865783.50	167.79	6450.00	1082230.00	19.29	7187.75	138657.00	187.08	1220887.00	355103.50	0.00	
16	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Sqm	26809.48	4.00	107237.92	26216.70	4.00	104867.00	0.00	4.00	0.00	26216.70	104867.00	0.00	2370.92	
17	Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.20kg per sqm on the existing prepared bituminous surface cleaned with mechanical broom. complete as per specification. and as per the directions of the Engineer-in-charge of the work .	Sqm	26809.48	10.00	268094.80	26216.70	10.00	262167.00	0.00	10.00	0.00	26216.70	262167.00	0.00	5927.80	
18	Providing and laying bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MORTH specification and as per the directions of the Engineer-in-charge of the work .	Sqm	1179.62	10138.00	11958987.56	1048.67	10138.00	10631396.00	0.00	10138.00	0.00	1048.67	10631396.00	0.00	1327591.56	
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	516.53	610.00	315083.30	517.96	610.00	315956.00	0.00	610.00	0.00	517.96	315956.00	872.70	0.00	
20	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specification and as per the directions of the Engineer-in-charge of the work .	Sqm	217.40	931.00	202399.40	0.00	931.00	0.00	0.00	931.00	0.00	0.00	0.00	0.00	202399.40	

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			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	11	12	13	14	15	16	10	17	18	19	20
21	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	217.40	4484.00	974821.60	0.00	4484.00	0.00	0.00	4484.00	0.00	0.00	0.00	0.00	974821.60	
22	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	229.11	7040.00	1612934.40	0.00	7040.00	0.00	0.00	7040.00	0.00	0.00	0.00	0.00	1612934.40	
23	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	31.29	780.00	24406.19	0.00	780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	24406.19	
	Sub Total				19420457.19			14449341.00			2368187.00		16817528.00	2903370.22	5506299.41	
								EIRL Estimate								
E1	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	0.00	0.00	0.00	1158.58	2244.09	2599954.00	0.00	2244.09	0.00	1158.58	2599954.00	2599954.00	0.00	
	Sub total				0.00			2599954.00			0.00		2599954.00	2599954.00	0.00	
								Estimate+Eirl Estimate								
	Grand total				19420457.19			17049295.00			2368187.00		19417482.00	5503324.22	5506299.41	

Cross Check

Tender Amount	19420457.19
Executed Amount	19417482.00
	2975.19

Total Saving Amount	5506299.41
Total Excess Amount	5503324.22
	2975.19

Contractor

Assistant Engineer

Assistant Executive Engineer

Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Executive Engineer